



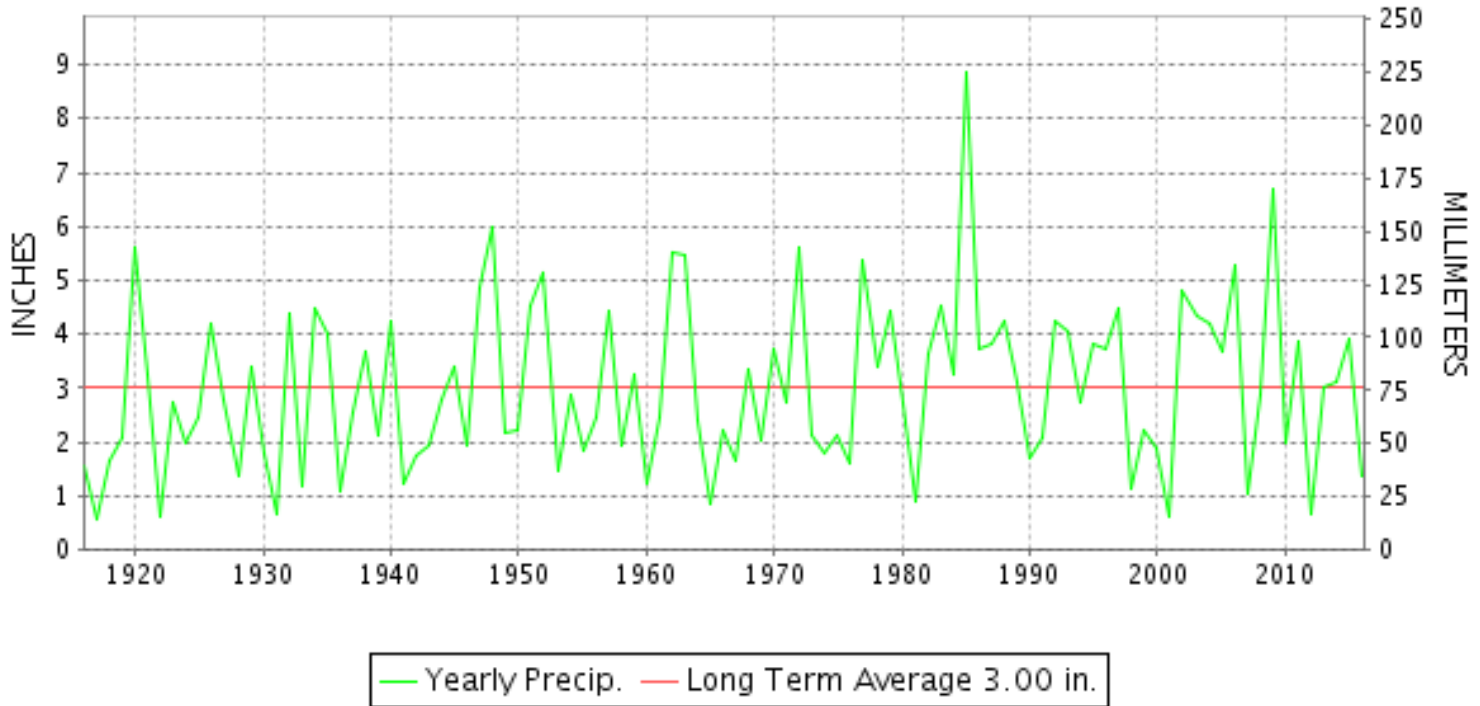
# CLIMATOLOGICAL DATA

## VIRGINIA

NOVEMBER 2016  
 VOLUME 126 NUMBER 11  
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### NOVEMBER PRECIPITATION BY YEAR



#### TEMPERATURE AND PRECIPITATION EXTREMES

##### VIRGINIA

HIGHEST TEMPERATURE	86	NOVEMBER 03+	2 STATIONS
LOWEST TEMPERATURE	8	NOVEMBER 12+	2 STATIONS
GREATEST TOTAL PRECIPITATION	3.29		BIG STONE GAP
LEAST TOTAL PRECIPITATION	0.28		VIENNA
GREATEST 1 DAY PRECIPITATION	2.11	NOVEMBER 30	WISE 1SE
GREATEST TOTAL SNOWFALL	0.8		MUSTOE 1 SW
GREATEST DEPTH OF SNOW OR ICE	T		5 STATIONS

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VIRGINIA  
201611

# MONTHLY STATION AND DIVISION SUMMARY

STATION	TEMPERATURE (°F)										PRECIPITATION (IN)													
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEG. DAYS	COOLING DEG. DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST 24 HOURS	DATE	ICE PELLETS, SNOW			NO. OF DAYS		
											MAX		MIN						TOTAL	MAX DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE
											>=90	<=32	<=32	<=0										
RICHMOND INTL AP	62.1	37.5	49.8	-0.6	83	03	21	22	454	4	0	0	9	0	1.08	-2.16	0.34	14	0.0	0		5	0	0
WINTERPOCK 4 W														1.37		0.75	15	M				3	1	0
--DIVISIONAL DATA-----> WESTERN Piedmont 03			49.1	1.1B										1.20	-2.22B									
ALTAVISTA														0.68		0.53	30	0.0	0			1	1	0
APPOMATTOX	60.8	39.0	49.9	2.7	81	03	26	21	449	4	0	0	7	0	0.72	-3.26	0.26	04	0.0	0		2	0	0
BEDFORD 4 NW														0.63		0.47	29	0.0	0			2	0	0
BROOKNEAL	62.9	33.4	48.2	5.9	81	04	21	13	500	1	0	0	21	0	0.36	-3.32	0.20	30	0.0	0		2	0	0
CHARLOTTESVILLE 2W	61.5	40.6	51.1	2.2	84	03	29	22	416	5	0	0	3	0	1.58	-2.51	1.00	30	T	0		4	1	1
CHATHAM	63.0M	31.1M	47.1M	1.3	82	04	18	14	530E	0	0	0	21	0	0.43	-3.15	0.30	30	0.0	0		1	0	0
CONCORD 4 SSW														0.78		0.42	30	0.0	0			2	0	0
DANVILLE RGNL AP	65.0	36.1	50.6	1.4	82	03	20	13	434	8	0	0	11	0	1.03	-2.32	0.58	30	0.0	0		2	1	0
FREE UNION	M	M	M		54	30	46	30	450E	0	0	0	0	0	1.48		0.95	30	0.0	0		4	1	0
HOLCOMB ROCK														2.27		1.49	30	0.0	0			3	1	1
HUDDLESTON 4 SW														0.69		0.56	30	0.0	0			1	1	0
LYNCHBURG INTL AP	62.8	35.9	49.4	2.6	83	02	21	22	469	6	0	0	13	0	1.17	-2.24	0.57	29	0.0	0		3	1	0
MARTINSVILLE FLTR PLT	64.6	31.6	48.1	1.8	82	04+	18	14	498	0	0	0	21	0	0.63	-2.81	0.52	30	0.0	0		1	1	0
MEADOWS OF DAN 5 SW	64.7	37.1	50.9		80	04	27	22	416	0	0	0	13	0	1.99		1.48	30	0.0	0		2	1	1
MONTEBELLO FISH CULTURAL STN	57.5M	30.3M	43.9M		78	03	21	22	625E	0	0	0	19	0	M 2.19		1.08	30	0.0	0		4	1	1
MONTICELLO	M	M	M											M										
PEDLAR DAM														2.43		1.47	30	0.0	0			3	2	1
ROCKY MT	64.0	34.4	49.2	2.6	82	03	21	14+	470	4	0	0	15	0	1.20	-2.37	1.04	30	0.0	0		2	1	1
SOUTH BOSTON	67.0	37.0	52.0	4.2	84	04	23	14+	388	7	0	0	10	0	0.84	-2.56	0.60	30	0.0	0		2	1	0
STUART	66.3	36.3	51.3	2.9	82	19+	24	22+	408	2	0	0	9	0	1.08	-2.38	0.84	30	0.0	0		2	1	0
WOOLWINE														1.51		1.13	30	0.0	0			2	1	1
--DIVISIONAL DATA-----> NORTHERN 04			49.3	1.8B										1.13	-2.22B									
FRONT ROYAL	58.8M	35.2M	47.0M	0.6	80	03	23	24	533E	0	0	0	8	0	M 0.85	-2.90	0.27	15	0.0	0		4	0	0
LINCOLN	58.3	35.2	46.8	2.4	79	03	25	29+	541	0	0	0	13	0	1.29		1.00	30	0.0	0		3	1	1
LURAY 5 E	60.0	34.7	47.4	0.5	78	03	19	22	523	0	0	0	13	0	1.69	-1.92	0.73	30	0.0	0		3	2	0
MANASSAS	60.3M	35.2M	47.8M	1.1	80	04	22	23	513E	4E	0	0	11	0	M 0.75		0.20	30+	M			4	0	0
MT WEATHER	55.8	37.9	46.8	1.7	75	03	26	22	537	0	0	0	8	0	1.25	-2.26	0.60	15	0.0	0		4	1	0
PIEDMONT RSCH STN	61.1	35.4	48.3	0.8	82	03	22	22	498	3	0	0	10	0	1.59	-2.23	0.52	30	0.0	0		4	1	0
SOMERSET	61.8	32.7	47.3	0.7	86	03	21	23	527	4	0	0	18	0	1.40	-2.45	0.68	30	0.0	0		4	1	0
SPERRYVILLE	60.6M	35.5M	48.0M	1.1	84	03	22	22	507E	5E	0	0	10	0	M 1.13	-3.52	0.45	30	T			4	0	0
STERLING (RCS)	59.6	33.2	46.4	1.0	80	04	20	23	550	1	0	0	16	0	0.58	-3.00	0.29	30	MT			2	0	0
VIENNA	56.8	34.9	45.8	-0.4	76	04	24	24	567	0	0	0	12	0	0.28	-3.28	0.15	30	0.0	0		1	0	0
WASHINGTON DULLES INTL AP	60.5	34.7	47.6	1.2	79	03	20	23	516	2	0	0	12	0	1.77	-1.64	1.31	30	T			3	1	1

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## MONTHLY STATION AND DIVISION SUMMARY

STATION	TEMPERATURE (°F)											PRECIPITATION (IN)												
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEG. DAYS	COOLING DEG. DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST 24 HOURS	DATE	ICE PELLETS, SNOW			NO. OF DAYS		
											MAX		MIN						TOTAL	MAX DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE
											>=90	<=32	<=32	<=0										
WASHINGTON REAGAN NATL AP	62.0	43.1	52.6	3.0	83	03	32	23	370	6	0	0	1	0	0.76	-2.41	0.38	30	0.0	0		3	0	0
WINCHESTER	56.9	35.7	46.3	0.9	77	03	24	24+	554	1	0	0	10	0	0.83	-2.40	0.28	30	0.0	0		3	0	0
WINCHESTER 7 SE	61.3	30.4	45.9	1.8	79	02	17	22	566	0	0	0	23	0	2.11	-1.04	0.90	08	0.0	0		4	2	0
WOODSTOCK 2 NE	60.6	32.7	46.6	3.1	79	03	20	24+	545	1	0	0	16	0	1.17	-1.68	0.53	13	0.0	0		3	1	0
--DIVISIONAL DATA-----> CENTRAL MOUNTAIN 05			47.4	2.2B										1.23	-2.23B									
BUENA VISTA														1.34		0.79	30	0.0	0			2	1	0
COVINGTON FLTR PLT	61.3	32.6	46.9	1.2	81	03	20	23	537	1	0	0	20	0	1.62	-1.74	1.08	30	0.0	0		3	1	1
DALE ENTERPRISE	60.3	31.4	45.9	2.7	80	03	19	23+	568	2	0	0	21	0	1.16	-1.69	0.60	30	0.0	0		4	1	0
GATHRIGHT DAM	58.1	33.4	45.8	2.2	77	03	22	23+	570	0	0	0	14	0	1.57	-1.54	1.08	30	0.0	0		3	1	1
GLASGOW 1 SE														1.93		1.01	30	0.0	0			3	1	1
HOT SPRINGS	56.3	32.8	44.6	2.1	75	03	23	23+	605	0	0	1	14	0	1.88	-1.84	1.05	30	T	T	20	3	2	1
LEXINGTON	61.1	32.7	46.9	1.2	79	03	20	23+	537	0	0	0	19	0	1.34	-2.05	0.98	30	0.0	0		2	1	0
MILLGAP	56.7	25.6	41.1	1.5	77	03	14	14+	708	0	0	1	23	0	2.42	-1.12	1.18	30	0.5	T	21	7	1	1
MTN GROVE														M		M			M	T	20			
MUSTOE 1 SW	55.3	29.2	42.2	1.8	75	02	17	13	673	0	0	1	23	0	3.04	-0.77	1.12	30	0.8	T	23	5	2	2
NEW CASTLE														1.99		1.44	30	0.0	0			3	1	1
ROANOKE 8 N	62.5	37.1	49.8	2.7	82	03	26	28+	452	4	0	0	10	0	0.95	-2.31	0.74	30	0.0	0		2	1	0
ROANOKE INTL AP	63.8	39.4	51.6	3.5	83	02	28	13	405	10	0	0	8	0	1.08	-2.32	0.58	29	0.0	0		2	1	0
STAUNTON WTP	60.5	36.4	48.5	3.3	78	03	28	22+	489	0	0	0	11	0	1.60	-1.49	1.01	30	0.0	0		3	1	1
WAYNESBORO WTP	59.5	32.2	45.9	1.4	79	03	21	23+	568	1	0	0	22	0	1.27	-3.21	0.62	04	0.0	0		2	2	0
--DIVISIONAL DATA-----> SOUTHWESTERN MOUNTAIN 06			46.3	2.0B										1.66	-1.53B									
ABINGDON 3S	61.8	33.3	47.6	2.5	78	02	18	22	516	0	0	0	14	0	1.59	-1.71	0.95	30	0.0	0		3	1	0
BIG STONE GAP	64.1	33.0	48.6	2.3	80	02	21	22	488	0	0	0	14	0	3.29	-0.67	2.05	30	0.0	0		4	2	1
BLACKSBURG NWSO	60.2	32.7	46.5	3.2	78	03	19	13	549	0	0	0	20	0	0.77	-2.10	0.65	30	T	0		1	1	0
BURKES GARDEN	56.2	26.0	41.1	0.6	73	03	8	13	712	0	0	0	23	0	1.96	-1.16	1.33	30	T	T	20	3	1	1
CHRISTIANSBURG	59.4	34.7	47.1	1.7	76	03	22	14	531	0	0	0	13	0	1.16	-1.74	0.94	30	0.0	0		2	1	0
CLINTWOOD 1 W	60.6	29.7	45.2	1.9	79	02	17	23+	591	0	0	0	22	0	2.46	-0.52	1.67	30	T	0		4	1	1
COPPER HILL	57.1M	36.5	46.8M		74	03	22	22	537E	0	0	0	8	0	0.97		0.81	30	0.0	0		2	1	0
GALAX WTP	60.6	31.0	45.8	2.9	77	03	18	14+	567	0	0	0	20	0	1.44		1.06	30	0.0	0		2	1	1
GRUNDY	60.6	32.9	46.7	1.8	81	03	20	23+	542	0	0	0	16	0	2.37	-0.54	1.56	30	0.0	0		5	1	1
JOHN FLANNAGAN LAKE	M	M	M		82	03+	21	28+	375E	6E	0	0	6	0	MA 2.39		1.52	30	0.0	0		5	1	1
LAFAYETTE 1 NE														0.93		0.81	30	T	0			1	1	0
LEBANON	62.6	29.8	46.2	2.0	79	02	15	22	556	0	0	0	21	0	1.61	-1.40	1.05	30	0.0	0		3	1	1
NORA 4 SSE	59.0	39.8	49.4	4.9	77	02	21	22+	467	7	0	0	9	0	2.48	-0.88	1.75	30	T	0		4	1	1
PULASKI 2 E	60.5	32.6	46.6	1.9	77	03	19	13	547	0	0	0	19	0	0.84	-1.61	0.47	29	0.0	0		2	0	0

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## MONTHLY STATION AND DIVISION SUMMARY

STATION	TEMPERATURE (°F)											PRECIPITATION (IN)												
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEG. DAYS	COOLING DEG. DAYS	NO. OF DAYS				TOTAL	DEPARTURE FROM NORMAL	GREATEST 24 HOURS	DATE	ICE PELLETS, SNOW			NO. OF DAYS		
											MAX		MIN						TOTAL	MAX DEPTH ON GROUND	DATE	.10 OR MORE	.50 OR MORE	1.00 OR MORE
											>=90	<=32	<=32	<=0										
RADFORD 3 N	60.5	32.1	46.3	3.3	80	03	18	13	553	1	0	0	21	0	1.28	-2.07	0.55	30+	0.0	0		3	2	0
RICHLANDS	60.8	29.5	45.2	1.0	78	03	16	22	589	0	0	0	23	0	1.70	-1.28	0.94	30	T	0		3	1	0
SALTVILLE 1N	62.8	29.5	46.1	1.5	79	03+	17	23+	560	0	0	0	21	0	2.03	-1.22	1.60	30	0.0	0		2	1	1
STAFFORDSVILLE 3 ENE	59.4	31.7	45.5	1.6	76	04	18	14+	576	0	0	0	21	0	1.47	-1.37	0.98	30	T	0		3	1	0
WILLIS															1.47	1.18	1.18	30	0.0	0		2	1	1
WISE 1SE	60.6	35.5	48.1	2.5	77	03+	20	22	501	1	0	0	14	0	3.05	-0.41	2.11	30	T	0		3	2	1
WYTHEVILLE	61.5	33.8	47.7	5.0	79	03	21	14	511	1	0	0	14	0	0.91	-1.82	0.67	30	T	0		3	1	0
--DIVISIONAL DATA----->			46.5	3.0B											1.69	-1.51B								

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## DAILY PRECIPITATION (INCHES)

STATION	TOTAL	DAY OF MONTH																															
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
<b>VIRGINIA</b>																																	
<b>TIDEWATER 01</b>																																	
DISPUTANTA	1.23			0.26						0.08					0.46										0.03						0.40		
EMPORIA 1 WNW	0.78				0.02					0.08					0.15									0.03	0.40						0.10		
FREDERICKSBURG SEWAGE	M 0.90			0.36					0.04	-		0.08			0.19					-	-								0.01	0.22			
HOLLAND 1 E	0.95			0.35					0.05					0.03										0.27		0.23			0.02				
HOPEWELL	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.20		
NORFOLK INTL AP	0.98			0.22	0.36				0.19					0.04										0.13		0.03			0.01	T			
NORFOLK SOUTH	0.86			0.02	0.42				0.09					0.06									0.19		0.04			0.02	0.02				
NORTH	1.16				0.31					0.12					0.08														0.04	0.61			
PAINTER 2W	1.58				0.59				0.03	0.19				0.10										0.06				0.06	0.55				
STONY CREEK 2 N	1.00			0.23	0.01				0.05					0.35											0.09			0.25	0.02				
SUFFOLK LAKE KILBY	1.22		T	T	0.38				0.18					0.05	T								0.30		0.28			0.02	0.01				
WAKEFIELD 1NW	1.02			0.23					0.20					0.08	0.08								0.19					0.11	0.13				
WALKERTON 2 NW	2.42		0.04	0.15	0.35		1.29		0.04					0.22	0.10													0.10	0.13				
WALLACETON LK DRUMMOND	2.08				0.50					0.28				0.04										0.04	0.60	0.57			0.05				
WALLOPS ISLAND NASA TEST FACIL	1.15			0.41	0.22				0.03					0.15	T	T				0.01				0.01		0.60	0.57		0.05	0.27			
WARSAW 2 NW	1.02				0.50				0.09	0.09				0.04	0.04									0.01				0.06	0.19				
WEST POINT 2 NW	0.97				0.35				0.30					0.10	0.03							T		0.01				0.04	0.14				
WILLIAMSBURG 2 N	1.26			0.09	0.30				0.12					0.12												0.02		0.13	0.48				
<b>EASTERN PIEDMONT 02</b>																																	
ALBERTA 5N	1.95				0.19				T	0.34					1.00									0.01	T					0.41			
AMELIA COURTHOUSE 1	1.60		0.02		0.26				0.01	0.14					0.56													0.03	0.58				
ASHLAND	1.66				0.72				0.09					0.31	0.25													0.06	0.23				
BREMO BLUFF	M 0.68		0.05		0.31					0.06					0.18													0.08	-				
BUCKINGHAM	0.71				0.30				0.02	0.09					0.12													0.05	0.13				
CAMP PICKETT	1.78				0.15					0.21					1.10															0.32			
CHASE CITY	0.56				0.04					0.10															0.05					0.37			
CLARKSVILLE	1.63				0.10	0.43							0.10		0.10	0.50								0.15	0.10					0.15			
CORBIN	0.71				0.34				0.10						0.12															0.15			
CROZIER	1.22				0.43										0.57															0.22			
FARMVILLE 2 N	0.62				0.18				T	T					0.22														T	0.22			
JOHN H KERR DAM	1.01				0.01					0.12					0.32									0.05	0.41				0.10				
KEYSVILLE 2 S	1.00				0.12				T	T					0.40														T	0.48			
LOUISA	0.93				0.12				0.06					0.22	0.33														0.17	0.03			
PALMYRA 3S	1.32				0.41				0.06	0.21					0.29													0.08	0.27				
PETERSBURG	M 1.41			0.25	0.25				0.07					0.42										-				0.22	0.20				
RICHMOND INTL AP	1.08	T		0.20	0.21				0.05					0.34	0.02										T		T		0.11	0.15			
WINTERPOCK 4 W	1.37				0.19					0.07					0.75														0.03	0.33			
<b>WESTERN PIEDMONT 03</b>																																	
ALTAVISTA	0.68				0.06	0.02			0.05																					0.02	0.53		
APPOMATTOX	0.72				0.26				0.05	0.03					0.06														0.07	0.25			

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## DAILY PRECIPITATION (INCHES)

STATION	TOTAL	DAY OF MONTH																														
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
BEDFORD 4 NW	0.63				0.04					0.02																					0.47	0.10
BROOKNEAL	0.36				0.10					0.03						0.02								0.01								0.20
CHARLOTTESVILLE 2W	1.58		T		0.20					0.10																					0.20	1.00
CHATHAM	0.43				0.04					0.05																					0.04	0.30
CONCORD 4 SSW	0.78				0.22					0.04	0.02					0.03															0.05	0.42
DANVILLE RGNL AP	1.03			0.01	T					0.01				0.02										0.09						0.32	0.58	
FREE UNION	1.48				0.13					0.11	0.01					0.06								T						0.22	0.95	
HOLCOMB ROCK	2.27				0.28					0.05																				0.45	1.49	
HUDDLESTON 4 SW	0.69				0.04						0.06													0.01						0.02	0.56	
LYNCHBURG INTL AP	1.17			0.06	0.10					0.06					T															0.57	0.38	
MARTINSVILLE FLTR PLT	0.63				0.01					0.05														T						0.05	0.52	
MEADOWS OF DAN 5 SW	1.99									0.07														0.02	0.01					0.41	1.48	
MONTEBELLO FISH CULTURAL STN	M 2.19		-		0.39			-	0.30	-					0.02															0.40	1.08	
MONTICELLO	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PEDLAR DAM	2.43				0.51					0.05	T					T														0.40	1.47	
ROCKY MT	1.20				0.02					0.03																				0.11	1.04	
SOUTH BOSTON	0.84										0.03					0.08								0.02	0.11					0.60		
STUART	1.08									0.01																				0.23	0.84	
WOOLWINE	1.51									0.02														0.02						0.34	1.13	
<b>NORTHERN 04</b>																																
FRONT ROYAL	M 0.85	-			0.12					0.05	0.18					0.27			-											0.04	0.19	
LINCOLN	1.29											0.10				0.19															1.00	
LURAY 5 E	1.69				0.25					0.06	0.06					0.55			T											0.04	0.73	
MANASSAS	M 0.75									0.20						0.20														0.05	0.20	
MT WEATHER	1.25				0.07					0.12	0.12					0.60										T	0.02			0.04	0.23	
PIEDMONT RSCH STN	1.59				0.45					0.10	0.03					0.45														0.04	0.52	
SOMERSET	1.40				0.18					0.12	0.02					0.29	0.02													0.09	0.68	
SPERRYVILLE	M 1.13				0.11					0.03	-					0.40										T				0.14	0.45	
STERLING (RCS)	0.58				T					0.13	0.06					0.01			0.02						T		T			0.03	0.29	
VIENNA	0.28									0.08						0.03														0.01	0.15	
WASHINGTON DULLES INTL AP	1.77			T						0.19				0.01	0.03	T					0.02			T		T			0.21	1.31		
WASHINGTON REAGAN NATL AP	0.76			T						0.19				T	T	0.02					0.05			T		T			0.12	0.38		
WINCHESTER	0.83				0.17					0.08	0.03					0.14														0.09	0.28	
WINCHESTER 7 SE	2.11			0.07					0.90	0.05											0.02									0.32	0.60	
WOODSTOCK 2 NE	1.17									0.24	0.02			0.53																0.03	0.35	
<b>CENTRAL MOUNTAIN 05</b>																																
BUENA VISTA	1.34				0.43					0.07																				0.05	0.79	
COVINGTON FLTR PLT	1.62				0.41					T	T					T														0.10	1.08	
DALE ENTERPRISE	1.16		0.04		0.13					0.02						0.12														0.25	0.60	
GATHRIGHT DAM	1.57		T		0.31																									0.18	1.08	
GLASGOW 1 SE	1.93				0.47					0.05																				0.40	1.01	
HOT SPRINGS	1.88		T		0.64						0.01					0.02														0.16	1.05	

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## DAILY PRECIPITATION (INCHES)

STATION	TOTAL	DAY OF MONTH																														
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
LEXINGTON	1.34			0.22					0.05																					0.09	0.98	
MILLGAP	2.42		0.25	0.29						0.11					0.20						0.13	T							0.26	1.18		
MTN GROVE	M		T	-	-	-	-	-	-	-											T				-	-			-	-		
MUSTOE 1 SW	3.04	0.17		0.26					0.09					0.23						0.06	0.04				T				1.07	1.12		
NEW CASTLE	1.99				0.13					0.01															T				0.41	1.44		
ROANOKE 8 N	0.95				0.04				0.02																				0.15	0.74		
ROANOKE INTL AP	1.08			0.02	T				T																			T	0.58	0.48		
STAUNTON WTP	1.60				0.21	0.04									0.05	T													0.29	1.01		
WAYNESBORO WTP	1.27				0.62				0.03						T														0.05	0.57		
<b>SOUTHWESTERN MOUNTAIN 06</b>																																
ABINGDON 3S	1.59				0.02				0.05											0.16				0.03	0.03				0.35	0.95		
BIG STONE GAP	3.29				0.25	0.01			0.05											0.22	0.02				0.03	0.01			0.65	2.05		
BLACKSBURG NWSO	0.77			T	0.05				0.02	T					T						T				T				0.05	0.65		
BURKES GARDEN	1.96				0.17				0.03																T				0.36	1.33		
CHRISTIANSBURG	1.16				0.12				0.05																				0.05	0.94		
CLINTWOOD 1 W	2.46				0.03				0.13	T										T					T				0.40	1.67		
COPPER HILL	0.97				0.02				0.03																				0.11	0.81		
GALAX WTP	1.44				0.02				0.04																0.02				0.30	1.06		
GRUNDY	2.37				0.13				0.12												0.19								0.37	1.56		
JOHN FLANNAGAN LAKE	MA 2.39				0.34	-	-		0.10	-	-	-	-							-	-	0.13			*	*	*	*	0.00 <sub>a</sub>	0.30	1.52	
LAFAYETTE 1 NE	0.93				0.03				0.02	T											T								0.07	0.81		
LEBANON	1.61				0.02				0.02																				0.34	1.05		
NORA 4 SSE	2.48				0.04				0.10	T										T	0.19	T			0.03				0.37	1.75		
PULASKI 2 E	0.84				0.01																								0.47	0.36		
RADFORD 3 N	1.28				0.08				0.10																				0.55	0.55		
RICHLANDS	1.70				0.07				0.09	0.03															0.03				0.29	0.94		
SALTVILLE 1N	2.03				0.03				0.03											0.07									0.30	1.60		
STAFFORDSVILLE 3 ENE	1.47				0.14				T	T																			0.35	0.98		
WILLIS	1.47																												0.29	1.18		
WISE 1SE	3.05				0.04				0.06											0.22					0.04				0.58	2.11		
WYTHEVILLE	0.91				0.12																				T				0.12	0.67		





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## DAILY TEMPERATURES (°F)

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
BREMO BLUFF	07	MIN	41	55	56	50	36	38	38	32	48	36	38	33	27	27	41	43	35	34	38	36	25	19	23	34	43	41	27	29	41	55	37.3	
		MAX	69	58	86	85	68	68		74	72	61	67	69	58	67	49	66	70	70	73	73	49	55	55	58	71	63	55	56	53	64.9		
CAMP PICKETT	08	MIN	40	45	50	50	34	33		27	21	31	29	29	20	20	22	25	28	30	28	31	22	19	18	19	34	38	24	22	25	29.1		
		MAX	65	61	79	80	65	65	70	60	67	60	62	66	51 <sup>1</sup>	62	46	61	65	64	71	72	49	49	54	55	67	66	55	53	59	68	62.6	
CHASE CITY	17	MIN	47	50	51	55	34	34	34	31	31	18	27	8	17	25	40	31	23		25		20	25	25	25	43	45	26	26	27	55	32.1	
		MAX	64	61	79	79	66	65	70	63	67	65	63	68	54	64	48	62	66	66	71	72	49	52	55	57	67	69	56	54	61	69	63.4	
CLARKSVILLE	07	MIN	50	52	52	52	37	36	39	34	34	36	37	39	26	34	36	34	34	37	39	37	30	30	29	29	38	47	30	34	35	52	37.6	
		MAX	65	63	81	82	58	69	74	66	51	41 <sup>s</sup>	41 <sup>s</sup>	48	62	63	47	68	69	69	70	74	50	53	55	58	70	67	57	56	62	69	63.4	
CORBIN	09	MIN	53	53	55	55	38	37	38	33	29	20 <sup>s</sup>	21 <sup>s</sup>	24	36	25	34	33	35	37	40	35	29	27	26	26	46	48	29	29	37	58	37.3	
		MAX	60	78	82	62	64	68	57	67	63	61	64	50	64	48	60	65	61	72	72	47	48	48	53	65	62	52	51	53	67	72	61.2	
CROZIER	07	MIN	40	50	58	41	37	38	35	32	48	37	37	30	27	27	39	34	39	35	41	31	23	21	23	38	40	29	27	31	46	60	36.5	
		MAX	63	58	79	81	63	62	69	59	68	58	62	66	51	63	43	59	65	63	72	72	48	50	51	53	66	64	53	52	56	66	61.2	
FARMVILLE 2 N	07	MIN	43	48	53	51	33	34	34	30	29	32	34	33	24	24	30	30	33	32	33	37	27	23	10	23	42	42	26	25	56	33.2		
		MAX	67	64	83	82	66	69	69	69	69	64	63	73	54	73	52	67	67	66	77	71	51	56	55	55	69	68	55	54	59	63	65.0	
JOHN H KERR DAM	08	MIN	52	53	52	53	33	32	32	30	31	38	39	37	23	23	33	31	32	34	38	28	27	25	25	46	41	25	26	30	59	35.4		
		MAX	66	64	81	83	69	67	73	63	68	67	66	71	54	64	50	65	68	68	74	76	51	52	56	52	68	68	58	68	69	70	65.6	
KEYSVILLE 2 S	07	MIN	52	53	58	57	36	36	38	33	39	37	42	40	25	28	38	35	38	36	39	38	33	29	26	28	47	47	29	33	39	62	39.0	
		MAX	64	61	79	80	64	65	70	61	66	64	62	66	54	65	49	62	66	66	73	72	47	49	53	54	68	69	53	53	60	68	62.8	
LOUISA	18	MIN	49	50	54	55	41	37	37	35	35	34	34	37	26	28	33	33	33	38	38	35	25	26	26	26	46	44	26	31	59	36.6		
		MAX	59	82	82	71	65	72	62	67	60	64	65	53	64	46	60	66	65	73	69	48	51	54	53	67	61	52	53	51	63	69	62.2	
PALMYRA 3S	06	MIN	38	49	52	46	28	30	26	46	32	31	29	21	22	35	28	30	29	34	37	20	16	17	31	35	32	22	26	41	53	32.2		
		MAX	64	60	82	83	64	64	70	61	68	59	64	66	52	62	45	61	67	66	70	71	48	52	53	54	67	59	53	53	52	62	61.7	
PETERSBURG	08	MIN	42	47	50	48	30	30	31	27	27	32	31	33	20	20	27	28	29	30	31	33	24	17	19	19	36	39	24	24	28	47	30.8	
		MAX	62	78	82	82	65	71	58	70	63	62	68	52	65	48	60	66	66	73	76	51	50			57	66	67	54	54	57	70	75	64.4
RICHMOND INTL AP	24	MIN	50	55	55	55	37	37	33	33	43	38	38	26	26	37	34	34	36	36	38	29	22		24	43	49	27	26	32	54	55	38.0	
		MAX	60	76	83	65	64	71	58	68	59	61	67	52	63	47	59	65	64	71	75	50	50	53	54	63	65	53	53	52	69	72	62.1	
WESTERN PIEDMONT 03 APPOMATTOX	07	MIN	44	52	55	44	39	38	37	35	48	40	41	29	26	29	37	33	39	37	39	34	25	21	26	37	44	29	29	31	48	58	37.5	
		MAX	63	60	81	79	63	61	68	61	65	60	61	64	49	61	58	61	64	64	70	67	44	47	48	53	65	66	50	50	55	65	60.8	
BROOKNEAL	07	MIN	50	50	56	51	40	40	41	39	39	37	38	33	29	39	37	36	40	40	43	35	26	28	29	32	48	41	30	32	36	55	39.0	
		MAX	63	63	80	81	66	62	70	64	67	63	63	67	52	62	57	63	66	66	71	73	46	50	51	55	67	69	53	51	58	68	62.9	
CHARLOTTESVILLE 2W	08	MIN	51	53	50	51	32	31	31	30	31	33	34	31	21	29	30	29	30	32	32	32	26	22	24	25	41	38	24	25	29	55	33.4	
		MAX	64	61	84	80	63	65	69	62	70	60	63	63	53	66	52	60	66	65	74	67	45	49	52	52	67	59	51	52	50	60	61.5	
CHATHAM	07	MIN	48	49	54	51	44	44	42	43	46	41	43	33	34	41	41	45	44	46	36	32	29	31	34	39	41	35	34	34	44	40.6		
		MAX	62	80	82	66	64	67	62	68	64	63	68	51	62	59	64	67	61	74	72	49	51	51	55	66	69	53	52	60	66	63.0		
DANVILLE RGNL AP	24	MIN	52	49	48	33	30	30	29	29	33	30	30	19	18	28	28	28	30	31	32	24	20	22	22	41	41	22	22	28	52	31.1		
		MAX	63	81	82	69	65	70	65	68	64	65	70	54	64	57	65	68	68	76	72	50	51	56	59	70	71	56	54	55	68	75	65.0	
FREE UNION	08	MIN	53	54	52	41	34	34	35	30	41	33	36	27	20	34	30	31	32	34	34	33	26	24	23	44	44	33	27	28	55	61	36.1	
		MAX																														54	M	
LYNCHBURG INTL AP	24	MIN																													46	M		
		MAX	59	83	81	66	65	70	65	67	61	63	65	53	65	56	63	67	68	76	65	44	50	51	53	70	68	53	53	52	64	69	62.8	
		MIN	51	54	53	41	35	36	37	32	49	36	41	28	22	29	30	32	36	36	37	31	24	21	25	35	46	27	23	30	47	53	35.9	

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## DAILY TEMPERATURES (°F)

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MARTINSVILLE FLTR PLT	07	MAX	67	60	82	82	69	66	70	66	70	61	65	69	55	64	61	67	69	71	78	67	48	50	54	58	71	72	50	54	56	67	64.6	
		MIN	46	51	47	47	33	30	30	29	29	38	31	29	19	18	27	27	28	30	30	32	28	23	22	22	38	41	22	23	27	52	31.6	
MEADOWS OF DAN 5 SW	07	MAX	75	60	78	80	67	70	73	73	73	57	64	67	57	67	65	65	66	70	75	63	45	49	56	59	70	71	48	55	58	64	64.7	
		MIN	49	53	51	50	39	38	38	30	38	39	39	35	29	30	32	32	35	36	42	32	30	27	30	31	44	40	28	28	32	55	37.1	
MONTEBELLO FISH CULTURAL STN	07	MAX	63		78	73	58	62		65		63	58		53	63	52	57	59	62	75	65	34	41	42	48	60	59	43	50	52	61	57.5	
		MIN	43		46	42	29	29		31		33	35		25	24	31	28	30	30	31	27	23	21	22	22	34	32	23	24	31	42	30.3	
MONTICELLO	07	MAX																															M	
		MIN																															M	
ROCKY MT	07	MAX	64	59	82	81	67	66	69	69	71	58	64	64	55	74	62	63	65	69	77	66	49	50	54	56	71	69	50	53	57	67	64.0	
		MIN	50	55	52	53	35	33	33	31	31	36	43	33	21	21	26	29	32	32	34	35	32	25	25	26	40	39	24	24	30	52	34.4	
SOUTH BOSTON	07	MAX	66	63	82	84	70	67	71	65	69	64	66	72	56	66	54	67	70	71	77	76	56	57	59	63	71	75	61	56	65	71	67.0	
		MIN	53	53	53	53	37	36	36	33	34	36	36	39	23	23	34	32	32	35	34	36	30	27	28	30	46	48	32	32	35	55	37.0	
STUART	07	MAX	70	61	81	82	70	68	71	66	70	70	65	72	56	65	65	66	69	72	82	70	50	52	58	60	70	73	53	55	60	66	66.3	
		MIN	50	53	51	50	39	36	34	34	35	35	39	33	24	34	32	33	33	33	38	34	29	24	26	29	42	41	27	28	32	60	36.3	
<b>NORTHERN 04</b>																																		
FRONT ROYAL	06	MAX		61	80	74	62	64	67	60	69	59	62	61	51	51	57	59		63	73	71	40	43	49	50	58	60	47	49	47	60	58.8	
		MIN		46	48	50	36	34	38	35	35	39	39	33	28	28	33	33		36	36	35	30	27	26	23	37	41	38	29	29	44	35.2	
LINCOLN	07	MAX	59	61	79	63	63	66	61	61	70	61	61	61	54	54	54	51	63	61	70	66	46	43	46	54	55	54	50	50	50	61	58.3	
		MIN	43	43	46	52	39	39	32	30	30	41	34	34	30	30	30	37	37	32	32	36	30	30	30	34	37	39	35	25	25	45	35.2	
LURAY 5 E	08	MAX	61	67	78	76	61	63	67	63	66	58	61	61	60	65	50	59	64	62	72	72	40	44	48	52	65	62	42	48	56	58	60.0	
		MIN	40	48	52	45	32	35	33	31	49	32	33	27	25	28	38	31	34	34	40	33	27	19	24	32	41	39	27	28	34	49	34.7	
MANASSAS	07	MAX	58	60	79	80		65	68	59	70					53	61	65	61	61	74	44		49	51	59	59	50	51	52	58	60.3		
		MIN	41	46	52	54	32	33	38	30	30					27	33	36	32	34	37	32			22	23	38	41	32	27	27	48	35.2	
MT WEATHER	07	MAX	52	57	75	71	57	61	62	58	68	56	57	59	47	59	58	57	59	58	70	64	38	38	43	48	52	55	45	48	43	58	55.8	
		MIN	41	43	51	47	41	42	38	39	49	37	37	31	30	38	42	41	40	41	47	31	27	26	28	29	38	38	35	32	34	43	37.9	
PIEDMONT RSCH STN	08	MAX	61	59	82	81	64	64	70	61	68	61	63	63	53	64	53	60	66	64	73	68	45	48	52	51	65	59	50	52	52	61	61.1	
		MIN	42	48	50	52	36	37	41	34	36	33	33	35	24	25	32	38	38	38	39	37	28	22	25	31	41	39	29	28	29	43	35.4	
SOMERSET	08	MAX	61	62	86	82	64	65	71	62	69	64	64	63	52	64	52	61	68	63	72	73	45	49	52	52	67	58	51	53	52	57	61.8	
		MIN	40	47	50	50	29	30	34	29	35	31	39	32	22	23	29	32	31	31	34	38	29	25	21	25	38	36	26	26	26	43	32.7	
SPERRYVILLE	06	MAX	60	64	84	79	62	67	68	64	70		64	63	57	65	47	62	66	65	75		43	46	51	50	60	59	47	51	49	59	60.6	
		MIN	48	42	54	53	34	34	35	35	35		42	30	27	28	38	40	37	40	42		27	22	24	24	36	40	30	27	27	42	35.5	
STERLING (RCS)	07	MAX	57	60	79	80	61	65	66	60	70	62	61	63	50	64	57	60	64	60	73	70	43	43	47	51	56	58	50	50	52	57	59.6	
		MIN	38	44	49	52	37	35	37	27	30	42	35	32	23	23	26	31	31	32	30	34	32	29	20	23	35	40	35	23	25	46	33.2	
VIENNA	07	MAX	59	56	74	76	58	62	63	56	66	58	58	60	47	59	55	58	60	57	69	66	41	40	45	49	57	55	46	48	49	57	56.8	
		MIN	39	39	42	51	37	37	34	32	32	39	40	29	27	27	30	38	35	33	33	35	31	29	30	24	40	40	34	30	30	49	34.9	
WASHINGTON DULLES INTL AP	24	MAX	60	78	79	62	66	67	62	69	64	61	64	52	64	57	63	64	61	73	70	45	43	48	50	59	59	50	52	52	57	65	60.5	
		MIN	37	52	55	38	34	38	34	28	49	41	35	26	23	25	38	30	31	30	35	34	32	26	20	33	33	33	28	23	46	54	34.7	
WASHINGTON REAGAN NATL AP	24	MAX	61	73	83	65	69	70	61	68	66	63	67	53	64	56	66	67	63	70	72	47	47	51	51	57	58	52	54	54	63	69	62.0	
		MIN	48	53	58	49	44	50	44	41	51	44	46	37	33	36	49	41	44	41	42	37	36	34	32	43	44	42	39	35	48	52	43.1	
WINCHESTER	07	MAX	55	61	77	72	59	63	65	60	67	59	60	59	49	60	57	58	60	54	67	67	39	39	45	47	54	56	46	48	49	56	56.9	
		MIN	41	45	54	49	38	38	36	33	34	41	42	30	28	28	31	36	38	35	35	35	30	29	24	24	37	40	35	28	29	47	35.7	
WINCHESTER 7 SE	08	MAX	64	79	72	73	67	69	62	69	69	62	63	53	64	56	62	62	63	73	69	69	41	48	49	55	56	57	51	49	59	54	61.3	

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## DAILY TEMPERATURES (°F)

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WOODSTOCK 2 NE	07	MIN	44	43	45	30	31	29	28	31	31	26	20	20	23	29	30	29	29	32	29	26	17	26	34	35	32	22	22	43	46	30.4		
		MAX	60	68	79	73	73	68	66	62	67	59	62	60	51	65	64	61	62	73	65	65	49	43	49	49	59	59	43	51	53		59	
		MIN	40	45	53	45	32	40	30	29	33	35	35	26	25	25	25	28	31	39	36	36	30	23	20	20	35	37	32	23	28		44	
<b>CENTRAL MOUNTAIN 05</b> COVINGTON FLTR PLT	07	MAX	75	75	81	76	65	66	70	69	69	55	64	60	57	63	48	62	64	70	74	52	36	44	50	50	62	63	44	54	54	66	61.3	
		MIN	50	53	51	45	41	31	31	32	32	36	33	30	22	23	24	30	25	28	30	32	30	24	20	25	36	37	26	25	28	47		
DALE ENTERPRISE	07	MAX	60	67	80	79	59	64	66	60	65	63	63	60	52	64	48	64	64	63	73	68	42	42	53	55	66	63	47	50	51	59	60.3	
		MIN	45	50	53	46	30	30	30	29	32	40	27	21	22	23	28	32	31	34	32	27	19	19	21	37	37	23	24	27	45	59		
GATHRIGHT DAM	07	MAX	70	73	77	75	61	61	65	64	65	53	59	57	53	59	46	58	62	65	71	53	34	40	49	49	60	61	42	49	50	61	58.1	
		MIN	51	52	51	47	35	33	33	33	33	35	35	30	24	24	25	31	32	33	34	31	29	22	22	26	35	37	28	26	29	47		
HOT SPRINGS	07	MAX	68	74	75	71	57	59	63	64	64	52	58	52	50	57	45	55	60	61	69	58	32	38	46	50	58	60	40	45	52	57	56.3	
		MIN	46	49	49	44	33	32	34	34	34	36	36	28	25	24	24	31	33	33	35	29	26	23	23	25	37	35	26	26	31	43		
LEXINGTON	07	MAX	68	65	79	77	67	65	69	67	67	56	64	61	54	65	49	62	65	66	74	59	42	47	50	52	66	64	47	51	54	62	61.1	
		MIN	52	53	50	49	32	31	31	30	30	38	38	34	22	21	28	28	29	31	31	33	32	20	20	24	36	37	23	23	28	48		
MILLGAP	06	MAX	67	73	77	69	57	63	65	64	63	49	56	56	55	65	46	56	58	65	74	56	28	35	45	51	56	57	37	50	49	59	56.7	
		MIN	36	49	46	37	23	22	24	24	23	35	34	19	14	14	15	15	23	23	24	26	25	17	15	16	29	30	28	20	21	40		
MUSTOE 1 SW	24	MAX	70	75	71	56	62	63	63	63	52	56	52	53	61	44	55	58	64	72	56	29	35	45	49	58	57	39	47	45	56	53	55.3	
		MIN	48	47	48	31	25	26	29	27	39	29	35	22	17	19	27	25	25	27	27	27	24	18	18	26	32	32	23	23	39	40		
ROANOKE 8 N	07	MAX	67	59	82	80	67	66	68	67	70	56	64	64	56	66	58	65	67	70	76	64	41	47	51	51	70	66	47	53	53	64	62.5	
		MIN	52	54	53	52	38	37	37	36	41	43	39	26	26	32	33	36	38	39	35	31	29	28	28	40	41	27	26	31	48			
ROANOKE INTL AP	24	MAX	59	83	82	68	67	70	68	71	60	65	66	56	67	60	65	69	70	78	64	42	48	52	51	71	69	52	54	66	68	63.8		
		MIN	54	57	57	46	37	38	38	37	48	42	49	30	28	32	33	36	37	39	39	34	33	31	29	39	49	32	29	31	47		50	
STAUNTON WTP	08	MAX	62	65	78	76	76	62	66	63	68	56	65	57	59	64	52	59	63	64	73	67	40	44	49	52	65	63	45	50	50	62	60.5	
		MIN	47	50	50	45	32	33	38	37	45	35	39	28	28	30	35	35	37	37	37	31	29	28	29	30	42	37	29	31	40	49		
WAYNESBORO WTP	07	MAX	62	63	79	77	61	61	66	62	67	55	62	59	49	64	54	58	63	61	74	69	40	46	49	50	65	63	45	50	49	62	59.5	
		MIN	48	50	52	48	31	31	32	32	32	31	31	30	24	24	28	30	30	32	33	33	28	21	21	24	36	31	25	25	30	44		
<b>SOUTHWESTERN MOUNTAIN 06</b> ABINGDON 3S	22	MAX	75	78	77	74	64	65	69	71	61	50	61	58	62	58	59	62	68	73	73	42	44	53	60	60	59	51	44	55	60	69	61.8	
		MIN	52	49	48	48	33	33	35	35	36	35	32	26	26	28	28	32	32	35	31	24	19	18	32	40	35	35	21	21	35	46		
BIG STONE GAP	08	MAX	77	80	78	75	67	67	72	73	63	53	62	64	61	64	61	61	67	73	75	75	43	47	55	62	62	60	48	54	60	64	64.1	
		MIN	49	46	46	52	34	34	35	35	35	31	27	28	28	28	29	33	33	35	28	22	21	23	32	38	36	24	22	33	45			
BLACKSBURG NWSO	07	MAX	73	72	78	76	62	64	68	65	66	51	59	59	55	62	56	58	63	68	75	49	38	42	47	52	64	61	45	53	59	67	60.2	
		MIN	54	54	49	49	32	31	33	31	31	36	38	28	19	20	26	27	32	31	31	29	26	26	23	24	38	36	25	25	31	46		
BURKES GARDEN	07	MAX	70	71	73	70	55	60	61	65	62	44	53	54	51	57	55	52	58	63	70	55	33	35	45	57	59	55	38	50	52	62	56.2	
		MIN	48	37	37	48	23	19	21	24	26	34	35	20	8	21	18	28	24	23	30	23	20	20	17	18	32	29	14	17	27	39		
CHRISTIANSBURG	07	MAX	71	72	76	73	63	61	66	64	63	53	56	58	53	60	55	59	62	66	72	47	38	44	48	54	65	63	43	53	58	67	59.4	
		MIN	53	54	54	50	35	34	34	35	36	37	37	31	23	22	31	29	29	37	39	28	25	25	26	26	43	35	27	27	35	45		
CLINTWOOD 1 W	07	MAX	76	79	78	77	64	61	64	70	68	47	58	60	53	58	58	63	70	74	53	39	39	48	61	64	59	43	53	59	65	60.6		
		MIN	50	44	44	48	29	29	28	28	32	29	28	28	21	21	24	24	28	28	30	31	20	17	17	25	37	36	19	19	33		43	
COPPER HILL	07	MAX	61	62	74	73	59	61	64	59	61	54	56	56	60	55	55	59	63	70	62	34	37	43	50	63	60	40	48	55	63	57.1		
		MIN	49	50	54	51	34	35	37	42	43	34	34	33	29	28	35	35	39	41	46	25	23	22	24	38	46	33	25	25	35		51	

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## DAILY TEMPERATURES (°F)

STATION	OB. TIME	MAX/MIN	DAY OF MONTH																															AVERAGE
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
GALAX WTP	07	MAX	72	64	77	74	61	66	66	64	66	52	58	60	54	61	61	58	63	69	74	54	40	42	53	54	64	64	43	54	65	66	60.6	
		MIN	51	52	45	45	30	28	28	29	29	38	33	28	18	18	25	25	28	28	29	28	27	25	23	23	35	36	22	21	37	45	31.0	
GRUNDY	07	MAX	74	80	81	77	63	62	66	71	67	49	59	58	55	59	59	59	65	68	76	46	41	40	48	55	65	57	43	53	61	60	60.6	
		MIN	53	49	49	51	35	34	33	33	35	34	29	29	25	25	27	27	31	31	33	32	22	20	20	26	42	37	23	23	32	47	32.9	
JOHN FLANNAGAN LAKE	07	MAX	79	82	82	75			72	76	70					66	58		69	77			45	53					64	60	69	M		
		MIN	54	49	48	52			35	36	36					28	30		34	34			26	21	22				21	34	47	M		
LEBANON	07	MAX	75	79	77	78	63	64	70	72	65	62	59	62	58	62	58	59	64	71	74	62	41	42	52	61	63	60	44	56	57	69	62.6	
		MIN	49	43	49	49	30	29	29	31	33	36	27	26	21	20	23	23	28	30	30	19	15	17	24	36	34	18	18	32	53	29.8		
NORA 4 SSE	07	MAX	72	77	76	73	61	61	66	69	65	44	58	61	54	58	58	58	64	68	69	51	38	39	49	56	58	58	43	51	54	62	59.0	
		MIN	56	60	59	48	39	38	43	51	44	34	34	31	31	40	40	41	45	50	50	26	21	21	26	44	44	30	29	31	42	47	39.8	
PULASKI 2 E	07	MAX	75	76	77	75	61	64	66	64	66	51	59	59	53	60	59	59	63	69	74	51	39	42	51	56	63	62	45	53	55	68	60.5	
		MIN	54	53	53	47	30	29	29	30	30	39	41	28	19	26	27	33	33	32	34	29	26	24	23	23	40	35	23	25	32	32	32.6	
RADFORD 3 N	07	MAX	75	76	80	77	61	61	69	65	67	56	60	61	58	60	55	59	63	69	73	46	37	43	47	53	66	60	43	52	55	69	60.5	
		MIN	56	50	48	51	30	27	30	25	30	37	38	26	18	20	23	28	29	30	32	28	25	26	22	24	41	37	30	30	31	42	32.1	
RICHLANDS	07	MAX	75	77	78	74	62	65	69	74	65	48	60	59	59	65	59	64	71	75	48	39	40	52	59	48	52	44	57	59	69	60.8		
		MIN	49	45	45	49	30	29	29	31	33	38	27	27	21	21	24	24	29	28	29	29	21	16	20	24	32	34	19	21	31	31	29.5	
SALTVILLE 1N	07	MAX	74	79	79	74	65	68	72	74	67	51	62	63	61	65	59	61	65	71	75	41	42	44	54	61	64	61	46	56	59	70	62.8	
		MIN	47	44	43	48	29	29	28	29	33	40	28	30	19	19	23	23	27	27	28	28	28	17	17	24	34	34	18	18	30	42	29.5	
STAFFORDSVILLE 3 ENE	07	MAX	72	73	75	76	60	60	64	65	66	51	58	58	53	59	56	59	64	68	72	51	39	43	45	51	66	60	43	52	56	67	59.4	
		MIN	56	53	47	47	31	28	28	29	29	40	36	29	18	18	24	23	29	29	29	30	27	27	22	22	38	37	27	26	29	42	31.7	
WISE 1SE	09	MAX	73	77	77	72	64	65	69	73	63	45	61	62	58	63	58	60	66	71	73	47	39	42	53	60	59	58	44	55	50	62	60.6	
		MIN	54	52	54	48	33	35	38	42	42	31	32	30	28	30	31	32	37	39	47	25	22	20	23	35	40	31	22	22	39	50	35.5	
WYTHEVILLE	07	MAX	77	77	79	75	62	67	67	66	67	49	59	61	61	60	61	59	63	70	76	53	38	41	52	56	63	61	42	56	58	70	61.5	
		MIN	54	50	48	50	35	31	33	32	34	36	36	30	22	21	31	31	38	37	38	26	26	23	23	25	40	36	23	23	34	47	33.8	

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## SNOWFALL AND SNOW ON GROUND (INCHES)

STATION	DAY OF MONTH																														
	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
<b>VIRGINIA</b>																															
<b>TIDEWATER 01</b>																															
DISPUTANTA	SNOWFALL																														
EMPORIA 1 WNW	SNOWFALL																														
FREDERICKSBURG SEWAGE	SNOWFALL																														
	SN ON GND																														
HOLLAND 1 E	SNOWFALL																														
HOPEWELL	SNOWFALL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NORFOLK INTL AP	SNOWFALL																														
	SN ON GND																														
NORFOLK SOUTH	SNOWFALL																														
NORTH	SNOWFALL																														
	SN ON GND																														
PAINTER 2W	SNOWFALL																														
STONY CREEK 2 N	SNOWFALL																														
	SN ON GND																														
SUFFOLK LAKE KILBY	SNOWFALL																														
	SN ON GND																														
WAKEFIELD 1NW	SNOWFALL																														
	SN ON GND																														
WALKERTON 2 NW	SNOWFALL																														
	SN ON GND																														
WALLACETON LK DRUMMOND	SNOWFALL																														
WALLOPS ISLAND NASA TEST FACIL	SNOWFALL																														
	SN ON GND																														
WARSAW 2 NW	SNOWFALL																														
WEST POINT 2 NW	SNOWFALL																														
	SN ON GND																														
WILLIAMSBURG 2 N	SNOWFALL																														
<b>WESTERN PIEDMONT 03</b>																															
CHARLOTTESVILLE 2W	SNOWFALL																														
	SN ON GND																														
CHATHAM	SNOWFALL																														
	SN ON GND																														
CONCORD 4 SSW	SNOWFALL																														
	SN ON GND																														
DANVILLE RGNL AP	SNOWFALL																														
	SN ON GND																														
FREE UNION	SNOWFALL																														
	SN ON GND																														
HOLCOMB ROCK	SNOWFALL																														

Snowfall: Includes snow and ice. Values for NWS stations (J index note) are Mid-Mid (LST).

Snow on ground: Includes snow, sleet, ice, and hail. Values for NWS stations (J index note) are observed at 12 UTC (GMT).

Water Equivalent: Given for NWS stations (J index note) only, when snow depth is 2 inches or more, and is measured at 18 UTC (GMT)

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## SNOWFALL AND SNOW ON GROUND (INCHES)

STATION	DAY OF MONTH																															
	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
HUDDLESTON 4 SW	SN ON GND																															
	SNOWFALL																															
LYNCHBURG INTL AP	SN ON GND																															
	SNOWFALL																															
MARTINSVILLE FLTR PLT	SN ON GND																															
	SNOWFALL																															
MEADOWS OF DAN 5 SW	SN ON GND																															
	SNOWFALL																															
MONTEBELLO FISH CULTURAL STN	SN ON GND																															
	SNOWFALL																															
MONTICELLO	SN ON GND																															
	SNOWFALL																															
PEDLAR DAM	SN ON GND																															
	SNOWFALL																															
ROCKY MT	SN ON GND																															
	SNOWFALL																															
SOUTH BOSTON	SN ON GND																															
	SNOWFALL																															
STUART	SN ON GND																															
	SNOWFALL																															
WOOLWINE	SN ON GND																															
	SNOWFALL																															
<b>NORTHERN 04</b>																																
SPERRYVILLE	SNOWFALL																															
	SN ON GND																															
STERLING (RCS)	SNOWFALL																															
	SN ON GND																															
VIENNA	WTR EQUIV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	SNOWFALL																															
WASHINGTON DULLES INTL AP	SN ON GND																															
	SNOWFALL																															
WASHINGTON REAGAN NATL AP	SN ON GND																															
	SNOWFALL																															
WINCHESTER	SN ON GND																															
	SNOWFALL																															
WINCHESTER 7 SE	SN ON GND																															
	SNOWFALL																															
WOODSTOCK 2 NE	WTR EQUIV																															
	SNOWFALL																															
	SN ON GND																															

Snowfall: Includes snow and ice. Values for NWS stations (J index note) are Mid-Mid (LST).

Snow on ground: Includes snow, sleet, ice, and hail. Values for NWS stations (J index note) are observed at 12 UTC (GMT).

Water Equivalent: Given for NWS stations (J index note) only, when snow depth is 2 inches or more, and is measured at 18 UTC (GMT)





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## SNOWFALL AND SNOW ON GROUND (INCHES)

STATION		DAY OF MONTH																																								
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31										
LEBANON	SNOWFALL																																									
	SN ON GND																																									
NORA 4 SSE	SNOWFALL																																									
	SN ON GND																																									
PULASKI 2 E	SNOWFALL																																									
	SN ON GND																																									
RADFORD 3 N	SNOWFALL																																									
	SN ON GND																																									
RICHLANDS	SNOWFALL																																									
	SN ON GND																																									
SALTVILLE 1N	SNOWFALL																																									
	SN ON GND																																									
STAFFORDSVILLE 3 ENE	SNOWFALL																																									
	SN ON GND																																									
WILLIS	SNOWFALL																																									
	SN ON GND																																									
WISE 1SE	SNOWFALL																																									
	SN ON GND																																									
WYTHEVILLE	SNOWFALL																																									
	SN ON GND																																									

Snowfall: Includes snow and ice. Values for NWS stations (J index note) are Mid-Mid (LST).

Snow on ground: Includes snow, sleet, ice, and hail. Values for NWS stations (J index note) are observed at 12 UTC (GMT).

Water Equivalent: Given for NWS stations (J index note) only, when snow depth is 2 inches or more, and is measured at 18 UTC (GMT)

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## PAN EVAPORATION AND WIND

STATION		DAY OF MONTH																														TOTAL OR AVERAGE
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
VIRGINIA EASTERN PIEDMONT 02 JOHN H KERR DAM	WIND	16	20	26	36	12	7	22	14	22	25	23	32	9	10	12	4	10	42	42	36	36	12	9	14	7	17	9	19	46	43	
	EVAP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	632
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	M

Evaporation: Is measured in hundreths of inches.

Wind: Is measured in miles.

Max and Min: The maximum and minimum temperatures (Fahrenheit) of the water in the evaporation pan.

# STATION INDEX

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES					
							LOCAL STD TIME					
							TEMP	PRECIP	EVAP	SPECIAL SEE (NOTES)		
VIRGINIA												
ABINGDON 3S	0021	06	WASHINGTON	36 40	81 58W	1925	22	22				H
ALBERTA 5N	0079	02	BRUNSWICK	36 56	77 54W	376		08				H
ALTAVISTA	0166	03	CAMPBELL	37 7	79 17W	529		07				CH
AMELIA COURTHOUSE 1	0187	02	AMELIA	37 21	77 59W	345	08	08				H
APPOMATTOX	0243	03	APPOMATTOX	37 20	78 50W	850	07	07				H
ASHLAND	0327	02	HANOVER	37 45	77 29W	220	18	18				H
BEDFORD 4 NW	0561	03	BEDFORD	37 23	79 34W	1228		07				CH
BIG STONE GAP	0735	06	WISE	36 52	82 46W	1464	08	08				H
BLACKSBURG NWSO	0766	06	MONTGOMERY	37 12	80 25W	2103	07	07				CH
BREMO BLUFF	0993	02	FLUVANNA	37 43	78 17W	225	07	07				CH
BROOKNEAL	1082	03	CAMPBELL	37 4	78 57W	408	07	07				H
BUCKINGHAM	1136	02	BUCKINGHAM	37 30	78 32W	580		07				H
BUENA VISTA	1159	05	ROCKBRIDGE	37 44	79 22W	840		07				H
BURKES GARDEN	1209	06	TAZEWELL	37 6	81 20W	3068	07	07				H
CAMP PICKETT	1322	02	NOTTOWAY	37 2	77 57W	330	08	08				CH
CHARLOTTESVILLE 2W	1593	03	ALBEMARLE	38 2	78 31W	866	08	08				H
CHASE CITY	1606	02	MECKLENBURG	36 47	78 29W	510	17	17				H
CHATHAM	1614	03	PITTSYLVANIA	36 49	79 25W	651	07	07				CH
CHRISTIANSBURG	1692	06	MONTGOMERY	37 8	80 24W	2100	07	07				H
CLARKSVILLE	1746	02	MECKLENBURG	36 37	78 33W	330	07	07				H
CLINTWOOD 1 W	1825	06	DICKENSON	37 9	82 29W	1780	07	07				H
CONCORD 4 SSW	1955	03	CAMPBELL	37 17	78 58W	815		07				H
COPPER HILL	1999	06	FLOYD	37 5	80 9W	2690	07	07				H
CORBIN	2009	02	CAROLINE	38 12	77 22W	220	09	09				H
COVINGTON FLTR PLT	2044	05	ALLEGHANY	37 49	79 59W	1230	07	07				CH
CROZIER	2142	02	GOOCHLAND	37 40	77 53W	350	07	07				H
DALE ENTERPRISE	2208	05	ROCKINGHAM	38 27	78 56W	1358	07	07				H
DANVILLE RGNL AP	2250	03	PITTSYLVANIA	36 34	79 20W	571	24	24				CH
DISPUTANTA	2400	01	PRINCE GEORGE	37 7	77 12W	15	07	07				H
EMPORIA 1 WNW	2790	01	GREENSVILLE	36 42	77 34W	100	08	08				H
FARMVILLE 2 N	2941	02	CUMBERLAND	37 20	78 23W	450	07	07				H
FREDERICKSBURG SEWAGE	3204	01	FREDERICKSBURG	38 17	77 27W	15	07	07				H
FREE UNION	3213	03	ALBEMARLE	38 5	78 35W	590	08	07				H
FRONT ROYAL	3229	04	WARREN	38 54	78 11W	930	06	06				CH
GALAX WTP	3272	06	CARROLL	36 39	80 55W	2360	07	07				CH
GATHRIGHT DAM	3310	05	ALLEGHANY	37 57	79 57W	1770	07	07				CH
GLASGOW 1 SE	3375	05	ROCKBRIDGE	37 37	79 26W	737		07				H
GRUNDY	3640	06	BUCHANAN	37 17	82 5W	1170	07	07				H
HOLCOMB ROCK	4039	03	BEDFORD	37 33	79 24W	900		07				H
HOLLAND 1 E	4044	01	SUFFOLK	36 41	76 46W	80	08	08				H
HOPEWELL	4101	01	PRINCE GEORGE	37 18	77 17W	40	16	16				H
HOT SPRINGS	4128	05	BATH	37 60	79 50W	2236	07	07				H
HUDDLESTON 4 SW	4148	03	BEDFORD	37 8	79 32W	898		07				H
JOHN FLANNAGAN LAKE	4410	06	DICKENSON	37 14	82 21W	1460	07	07				H
JOHN H KERR DAM	4414	02	MECKLENBURG	36 36	78 18W	250	08	08	08			CH
KEYSVILLE 2 S	4568	02	CHARLOTTE	37 1	78 29W	625	07	07				H
LAFAYETTE 1 NE	4676	06	MONTGOMERY	37 14	80 12W	1320		07				H
LEBANON	4777	06	RUSSELL	36 54	82 2W	1912	07	07				H
LEXINGTON	4876	05	ROCKBRIDGE	37 47	79 26W	1097	07	07				H
LINCOLN	4909	04	LOUDOUN	39 5	77 42W	500	07	07				H
LOUISA	5050	02	LOUISA	38 3	78 0W	420	18	18				H
LURAY 5 E	5096	04	PAGE	38 40	78 22W	1400	08	08				H
LYNCHBURG INTL AP R	5120	03	CAMPBELL	37 19	79 12W	940	24	24				HJ
MANASSAS	5204	04	MANASSAS	38 44	77 30W	245	07	07				H
MARTINSVILLE FLTR PLT	5300	03	HENRY	36 42	79 52W	760	07	07				H
MEADOWS OF DAN 5 SW	5453	03	PATRICK	36 40	80 27W	2225	07	07				H
MILLGAP	5595	05	HIGHLAND	38 18	79 43W	2421	06	06				CH
MONTEBELLO FISH CULTURAL STN	5690	03	NELSON	37 51	79 8W	2667	07	07				H
MONTICELLO	5700	03	ALBEMARLE	38 1	78 27W	758	07	07				H
MT WEATHER	5851	04	LOUDOUN	39 4	77 53W	1659	07	07				H
MTN GROVE	5756	05	BATH	38 6	79 53W	1775		07				H
MUSTOE 1 SW	5880	05	HIGHLAND	38 20	79 40W	2380	24	24				H
NEW CASTLE	6012	05	CRAIG	37 31	80 6W	1258		07				H
NORA 4 SSE	6125	06	DICKENSON	37 1	82 19W	2650	07	07				H
NORFOLK INTL AP R	6139	01	NORFOLK (CITY)	36 54	76 12W	30	24	24				HJ

# STATION INDEX

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES			
							LOCAL STD TIME			
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NORFOLK SOUTH	6147	01	NORFOLK (CITY)	36 52	76 14W	100	24	24		H
NORTH	6161	01	MATHEWS	37 26	76 26W	10	07	07		H
PAINTER 2W	6475	01	ACCOMACK	37 35	75 49W	30	16	16		CH
PALMYRA 3S	6491	02	FLUVANNA	37 49	78 16W	410	06	06		H
PEDLAR DAM	6593	03	AMHERST	37 40	79 17W	1024		07		CH
PETERSBURG	6656	02	PETERSBURG	37 14	77 24W	15	08	08		H
PIEDMONT RSCH STN	6712	04	ORANGE	38 14	78 7W	520	08	08		CH
PULASKI 2 E	6955	06	PULASKI	37 3	80 47W	1850	07	07		CH
RADFORD 3 N	6999	06	PULASKI	37 12	80 35W	1800	07	07		H
RICHLANDS	7174	06	TAZEWELL	37 6	81 48W	1910	07	07		H
RICHMOND INTL AP R	7201	02	HENRICO	37 30	77 19W	164	24	24		HJ
ROANOKE 8 N	7278	05	ROANOKE	37 22	79 58W	1190	07	07		H
ROANOKE INTL AP R	7285	05	ROANOKE	37 19	79 58W	1175	24	24		HJ
ROCKY MT	7338	03	FRANKLIN	36 59	79 54W	1315	07	07		CH
SALTVILLE 1N	7506	06	SMYTH	36 53	81 46W	1733	07	07		H
SOMERSET	7904	04	ORANGE	38 15	78 16W	510	08	08		H
SOUTH BOSTON	7925	03	HALIFAX	36 42	78 53W	329	07	07		H
SPERRYVILLE	7985	04	RAPPAHANNOCK	38 39	78 14W	750	06	06		H
STAFFORDSVILLE 3 ENE	8022	06	GILES	37 16	80 43W	1950	07	07		CH
STAUNTON WTP	8062	05	AUGUSTA	38 10	79 5W	169	08	08		H
STERLING (RCS)	8084	04	LOUDOUN	38 59	77 29W	288	07	07		H
STONY CREEK 2 N	8129	01	SUSSEX	36 58	77 24W	105	08	08		H
STUART	8170	03	PATRICK	36 38	80 15W	1375	07	07		H
SUFFOLK LAKE KILBY	8192	01	SUFFOLK	36 44	76 36W	22	24	24		H
VIENNA	8737	04	FAIRFAX	38 54	77 16W	418	07	07		H
WAKEFIELD 1NW	8800	01	SUSSEX	36 59	77 0W	113	24	24		CH
WALKERTON 2 NW	8829	01	KING AND QUEEN	37 45	77 2W	50	18	18		H
WALLACETON LK DRUMMOND	8837	01	CHESAPEAKE	36 36	76 26W	20	08	08		H
WALLOPS ISLAND NASA TEST FACIL R	8849	01	ACCOMACK	37 56	75 28W	46	24	24		HJ
WARSAW 2 NW	8894	01	RICHMOND	37 59	76 47W	140	18	18		H
WASHINGTON DULLES INTL AP R	8903	04	LOUDOUN	38 56	77 28W	290	24	24		HJ
WASHINGTON REAGAN NATL AP R	8906	04	ARLINGTON	38 51	77 2W	10	24	24		HJ
WAYNESBORO WTP	8941	05	WAYNESBORO	38 5	78 53W	1270	07	07		H
WEST POINT 2 NW	9025	01	KING WILLIAM	37 34	76 48W	20	17	17		H
WILLIAMSBURG 2 N	9151	01	YORK	37 18	76 42W	70	24	24		CH
WILLIS	9169	06	FLOYD	36 55	80 30W	2810		07		CH
WINCHESTER	9181	04	FREDERICK	39 11	78 9W	720	07	07		H
WINCHESTER 7 SE	9186	04	FREDERICK	39 11	78 7W	680	08	08		H
WINTERPOCK 4 W	9213	02	CHESTERFIELD	37 19	77 39W	300		07		H
WISE 1SE	9215	06	WISE	36 58	82 33W	2564	09	09		CH
WOODSTOCK 2 NE	9263	04	SHENANDOAH	38 54	78 28W	675	07	07		H
WOOLWINE	9272	03	PATRICK	36 47	80 17W	1500		07		H
WYTHEVILLE	9301	06	WYTHE	36 58	81 5W	2458	07	07		H

# REFERENCE NOTES

**STATION NAMES:** Name of the city, town or locality. Figures and letters following the station names indicate the distance in miles and direction from the post office or town community center.

**DIVISIONS:** Areas within a state of similar climatological characteristics. Division averages are calculated using data from stations that record temperature and/or precipitation. Station Precipitation totals flagged with an 'F' or 'M' are excluded from the Divisional Average calculations of precipitation. Stations with monthly Temperature averages flagged with an 'F' or 'M' are included in the Divisional Average if there are no more than 9 flagged or missing daily values in the month, else they are excluded from the divisional average for temperature.

**NORMALS:** The average value of the meteorological element over a time period. Effective 1 January 2012, the averaging period for station departures is 1981 to 2010. The normals for National Weather Service localities have been adjusted so as to be representative for the current observation site.

The January 2011 through December 2015 publications incorrectly state the computation of divisional departures. Climate Division departures have been, and continue to be, computed from 1971-2000 Normals, not 1981-2010 as stated. Station departures are accurately described as departures from 1981-2010.

**MONTHLY DEGREE DAY TOTALS:** One heating (cooling) degree day is accumulated for each whole degree that the daily mean temperature is below (above) 65 degrees Fahrenheit.

**PRECIPITATION:** Values shown in hundredths of inches are water equivalent totals, i.e., total of liquid and melted frozen precipitation. In the "Monthly Summarized Data" table the total snow and sleet values shown in tenths of inches are unmelted amounts. The max depth on ground values of snow and sleet shown in whole inches are cumulative unmelted amounts. The number of days with .10, .50, 1.00 or more refers to water equivalents.

**PRECIPITATION QUALITY CONTROL:** The NCEI quality control process may flag precipitation data that are spatially inconsistent, exceed climatological limits, or are inconsistent with prevailing weather patterns.

**TEMPERATURE:** Original temperature values are given in the "Daily Temperature" table. Summary temperature information (averages, departures, extremes, monthly degree day totals) is based on the values labeled MAX/MIN.

**WIND:** (As shown in the "Evaporation and Wind" table) the total wind movement in miles over the evaporation pan as determined by an anemometer recorder located 6-8 inches above the pan.

## SYMBOLS AND LETTERS USED IN THE STATION INDEX TABLE

C Station is equipped with recording rain gage (R) but values in this bulletin are from a non-recording rain gage unless indicated by an R.  
G Observations appear in the "Soil Temperatures" table.  
H Observations appear in the "Snowfall and Snow on the Ground" table.  
J Station also published as a Local Climatological Data publication.  
VAR Observation time varies.  
SR / SS Observation time near sunrise / Observation time near sunset, respectively.

## SYMBOLS AND LETTERS USED IN THE DATA TABLES

(DAILY DATA ARE FOR THE 24 HOURS IMMEDIATELY PRECEDING OBSERVATION TIME.)

BLANK Entries in the "Monthly Summarized Data" table indicate no record.

BLANK Entries in the "Daily Precipitation" and "Snowfall and Snow on the Ground" tables indicate zero.

BLANK Entries in the "Daily Temperature" table indicate a missing record

- No record. Data not recorded or not received in time for publication.

+ Precipitation or temperature extremes occurred on one or more previous dates during the month.

\* Rain gage not read. Precipitation is included in the amount following the asterisks.

Time distribution may not be known. A \* preceding the monthly total indicates precipitation amount is being carried forward to next month's total, and may include amounts from the previous month(s).

a As a subscript, indicates accumulated total.

A Amount of precipitation is the total of observer's entries for the current month. It may include precipitation that occurred during the previous month. Refer to earlier bulletin to determine date of last

reading. (Hawaii stations)

B Divisional Departure from normals are computed using 1971-2000 normals.

E Normalized HDD/CDD Calculation. E is appended to the HDD/CDD Calculation when 1-9 individual daily TMAX and/or TMIN values are missing and a Normalized HDD/CDD Calculation is provided. M appears alone if 10 or more daily values are missing.

F Monthly calculation flagged value. F is appended to average and/or total values computed which exclude one or more daily data values that have been flagged by the GHCN-Daily Dataset

M Insufficient or partial data. M is appended to average and/or total values computed with 1-9 daily values missing. M appears alone if 10 or more daily values are missing, (8 or more for wind and evaporation).

N Indicates snow fall or Snowdepth totals are computed with one or more missing days.

R Amounts from recording rain gage.

T Trace. An amount too small to measure.

**SEASONAL TABLES:** Monthly and seasonal snowfall and heating degree days for the 12 months ending with the June data are published in the July issue of this bulletin. Cooling degree days for the calendar year are published in the "Climatological Data Annual Summary."

Information concerning the history of changes in locations, exposure, etc. of substations is kept on file at the National Centers for Environmental Information. Historical information of regular National Weather Service Offices may be obtained from the "Local Climatological Data" annual publication. The contents of this publication may be reprinted or otherwise used freely, with proper credit to the National Centers For Environmental Information. The data are also available digitally.

Effective with the January 2011 Data-Month, COOP Observer Names are no longer included in the Monthly and Annual Climatological Data Publications. This information is not published to ensure the privacy of personal information pursuant to Section 208 of the E-Government Act of 2002 (44 USC 3601).

As of the 2011 Data-Year, Station and Climate Division Maps are no longer being included in the CD Publications. NCEI's Products Branch provides updated Station Maps for various data networks via the Historical Observing Metadata Repository: <http://www.ncdc.noaa.gov/homr>.

The GHCN-Daily Quality Control Flags shown below are displayed as superscripts with the data. For more information on Global Historical Climatology Network - Daily and flags, see: <http://www.ncdc.noaa.gov/oa/climate/ghcn-daily/> and Comprehensive Automated Quality Assurance of Daily Surface Observations. Durre, Imke, Matthew J. Menne, Byron E. Gleason, Tamara G. Houston, Russell S. Vose, 2010: J. Appl. Meteor. Climatol., 49, 16151633. doi: 10.1175/2010JAMC2375.1

Blank = Passed All checks	N = failed naught check
D = failed duplicate check	O = failed climatological outlier check
G = failed gap check	R = failed lagged range check
I = failed internal consistency check	S = failed spatial consistency check
K = failed streak/frequent-value check	T = failed temporal consistency check
L = failed check on length of multiday period	W = temperature too warm for snow
M = failed megaconsistency check	X = failed bounds check
	Z = flagged as a result of an official Datzilla investigation

Beginning with the January 2013 CD Publication, monthly mean temperature calculations have changed to the National Data Stewardship Team standard. Monthly maximum and minimum temperatures are not rounded until after the monthly mean temperature is calculated. This is the most accurate outcome, but may be slightly different from the mean derived from rounded monthly maximum and minimum.

The climate division temperature and precipitation values in this publication are based on simple averages from the current set of NWS-Designated Open and Published COOP and First Order Sites within each division. These values differ from those found in NCEI's nClimDiv product. Beginning in February 2014, the nClimDiv product is used by NCEI's Monitoring Branch and in its monthly climate reports. For more details on nClimDiv, please go to <http://www.ncdc.noaa.gov/monitoring-references/maps/us-climate-divisions.php>.

Effective January 2016, Alaska's Climate Divisions are updated to reflect the 13 climate divisional boundaries established by University of Alaska-Fairbanks, NWS, NCEI, Oregon State University, and University of Nebraska-Lincoln. For more details regarding the updated Alaska Climate Divisions, see: <http://journals.ametsoc.org/doi/pdf/10.1175/JAMC-D-11-0168.1> (Bienek et al., 2012).

NOAA National Centers for Environmental Information  
Attn: Customer Engagement Branch  
151 Patton Avenue  
Asheville, NC 28801-5001

Customer Services Number: (828) 271-4800, option 2  
TDD : (828) 271-4010  
Fax number: (828) 271-4876

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